

The diagram illustrates a complex cable-driven mechanism. On the left, a horizontal track 22 supports a sliding element 23. A cable 1 is anchored at 24 on the track, passes over pulley 26, and descends through a vertical stack of pulleys 27, 28, 30, 32, and 34, terminating at motor 10. A second cable 2, driven by motor 16, travels through pulleys 11, 12, 13, 14, 15, 18, and 19 before reaching motor 29. Various other components are labeled, including springs 31 and 33, and force vectors F_1 and F_3 .